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Electronic Notes in Theoretical Computer Science

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# Preface

## Volume 33

Horst Reichel

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### Abstract

This volume contains the Proceedings of the Third Workshop on Coalgebraic Methods in Computer Science (CMCS'2000). The Workshop was held in Berlin, Germany on March 25 and 26, 2000, as satellite event to ETAPS'2000.

During the last few years it is becoming increasingly clear that a great variety of state-based dynamical systems, like transition systems, automata, process calculi and class-based systems can be captured uniformly as coalgebras. The aim of the workshops is to bring together researchers with a common interest in the theory of coalgebras and its applications. The first two volumes together with the current volume demonstrate that coalgebra is developing into a field of its own interest presenting a deep mathematical foundation, a growing field of applications and interactions with various other fields, such as modal logic, category theory, dynamical systems, control systems, object-oriented and concurrent programming, formal systems specifications, algebra, analysis, etc.

The papers in this volume were reviewed by the program committee consisting, besides editor, of

H. Peter Gumm

(Department of Mathematics and Computer Science, University of Marburg)

Bart Jacobs

(Department of Computer Science, University of Nijmegen)

Ugo Montanari

(Department of Computer Science, University of Pisa)

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The proceedings of the preceding two workshops are available as volume eleven and nineteen. A printed version of the current volume is distributed to the participants at the workshop in Berlin.

We are very grateful to the following persons, whose help has been crucial for the success of CMCS'2000: Hartmut Ehrig and Uwe Wolter for their help with the organization of the Workshop as satellite event of ETAPS'2000; Mike Mislove, one of the Managing Editors of the ENTCS series, for his assistance with the use of the ENTCS style files; Dmitri Schamschurko for his great help in printing these Proceedings. Thanks are also due to the Institute for Theoretical Computer Science

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*March 14, 2000*

*Horst Reichel*

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